

PLAN[®]



2012-2013 Profile Summary Report

**Code: 18S000
KENTUCKY DEPT OF ED
FRANKFORT, KY**

**State Report - Grade 10
KENTUCKY DEPARTMENT OF EDUCATION
Includes Standard and Extended Time Tested Students**

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INTRODUCTION

This report summarizes the performance of your students who took the PLAN academic assessment. This report includes results for only students who have valid composite scores and who tested under standard time limits (unless other arrangements have been made to include other students).

The information in this report is organized to assist you in addressing certain issues that are common among schools. You will see these issues stated in the form of questions at the top of each table. The questions and the information presented may assist you in drawing conclusions and making decisions about programs, policies, or educational practices in your school.

Numerous social, economic, and school factors are known to contribute to educational achievement. Relatively few of these factors are represented in this report. Conclusions about educational programs or policies at your school, based on your students' achievement, are best supported by additional sources of information.

In making decisions or drawing conclusions based on differences between groups of students, caution should be employed when using PLAN averages if the number of students in any group is less than 25. The validity of conclusions about student groups depends in part upon the accuracy of the information that is self-reported by the students at the time of testing.

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TABLE 1a: How do the PLAN scores of our students compare with those of students nationally?

PLAN score	English			Mathematics			Reading			Science			Composite			PLAN score
	Local		Nat'l	Local		Nat'l	Local		Nat'l	Local		Nat'l	Local		Nat'l	
	Freq	CP*	CP*	Freq	CP*	CP*	Freq	CP*	CP*	Freq	CP*	CP*	Freq	CP*	CP*	
32	38	100	100	133	100	100	0	100	100	46	100	100	0	100	100	32
31	138	99	99	140	99	99	0	100	99	184	99	99	20	100	99	31
30	0	99	99	215	99	99	257	100	99	0	99	99	56	99	99	30
29	211	99	99	330	99	98	0	99	99	388	99	99	138	99	99	29
28	288	99	99	894	98	97	642	99	99	651	99	98	237	99	99	28
27	413	99	99	613	96	96	0	98	98	0	97	97	412	99	99	27
26	475	98	98	725	95	94	953	98	97	895	97	96	619	98	98	26
25	1242	97	98	885	94	93	1218	96	95	1248	96	95	750	97	97	25
24	710	94	96	0	92	91	1540	94	93	0	93	94	1029	95	95	24
23	1753	93	95	1009	92	88	0	91	90	1430	93	92	1389	93	92	23
22	987	89	92	1074	90	85	1765	91	87	1721	90	89	1773	90	89	22
21	2128	87	89	2839	88	82	4088	87	83	3701	86	85	2326	87	85	21
20	2534	83	84	1743	82	77	2413	78	78	4052	79	80	2965	82	80	20
19	2761	78	78	1907	78	71	2532	73	73	4316	71	72	3746	76	74	19
18	3107	72	71	4283	74	64	2783	68	67	6877	62	63	4786	68	67	18
17	6957	65	63	7145	65	55	2932	63	60	5256	47	52	5528	58	58	17
16	5741	51	54	6996	51	45	6118	57	52	5755	37	40	5956	47	48	16
15	3700	39	45	6324	36	35	6270	44	43	5865	25	28	5381	35	37	15
14	3500	32	36	3683	23	25	3159	31	35	4245	13	18	4574	24	26	14
13	4675	24	27	3207	16	17	5960	25	27	1077	4	10	3531	14	17	13
12	2615	15	20	1374	9	10	2354	12	19	0	2	5	2091	7	9	12
11	1118	9	14	1081	6	6	1750	7	13	557	2	2	929	3	5	11
10	1749	7	9	825	4	3	1017	4	8	0	1	1	261	1	2	10
9	601	4	5	0	2	2	0	2	5	219	1	1	65	1	1	9
8	717	2	3	580	2	1	567	2	3	0	1	1	6	1	1	8
7	193	1	1	326	1	1	200	1	1	73	1	1	4	1	1	7
6	163	1	1	161	1	1	0	1	1	0	1	1	2	1	1	6
5	35	1	1	63	1	1	49	1	1	0	1	1	1	1	1	5
4	14	1	1	0	1	1	0	1	1	14	1	1	1	1	1	4
3	11	1	1	18	1	1	0	1	1	0	1	1	0	1	1	3
2	2	1	1	3	1	1	0	1	1	0	1	1	0	1	1	2
1	0	1	1	0	1	1	9	1	1	6	1	1	0	1	1	1
Mean	16.6		16.2	17.1		17.6	16.8		16.7	18.1		17.8	17.3		17.2	Mean
S.D.	4.3		4.4	4.3		4.7	4.3		4.8	3.6		3.9	3.7		3.9	S.D.
Local percentage of students in national quartiles																
National quartile	% of local		Score range	% of local		Score range	% of local		Score range	% of local		Score range	% of local		Score range	National quartile
75-100%	28		19-32	22		20-32	27		20-32	29		20-32	24		20-32	75-100%
50-74%	33		16-18	27		17-19	30		16-19	34		17-19	29		17-19	50-74%
25-49%	24		13-15	35		14-16	32		13-15	24		15-16	33		14-16	25-49%
1-24%	15		1-12	16		1-13	12		1-12	13		1-14	14		1-13	1-24%

*CP = Cumulative percent of students at or below a score point

Note: National normative data are based on results for students who took all four academic tests within standard time limits as part of a national study conducted in Fall 2010. See the PLAN Technical Manual at www.act.org for information about the 2010 national norming sample.

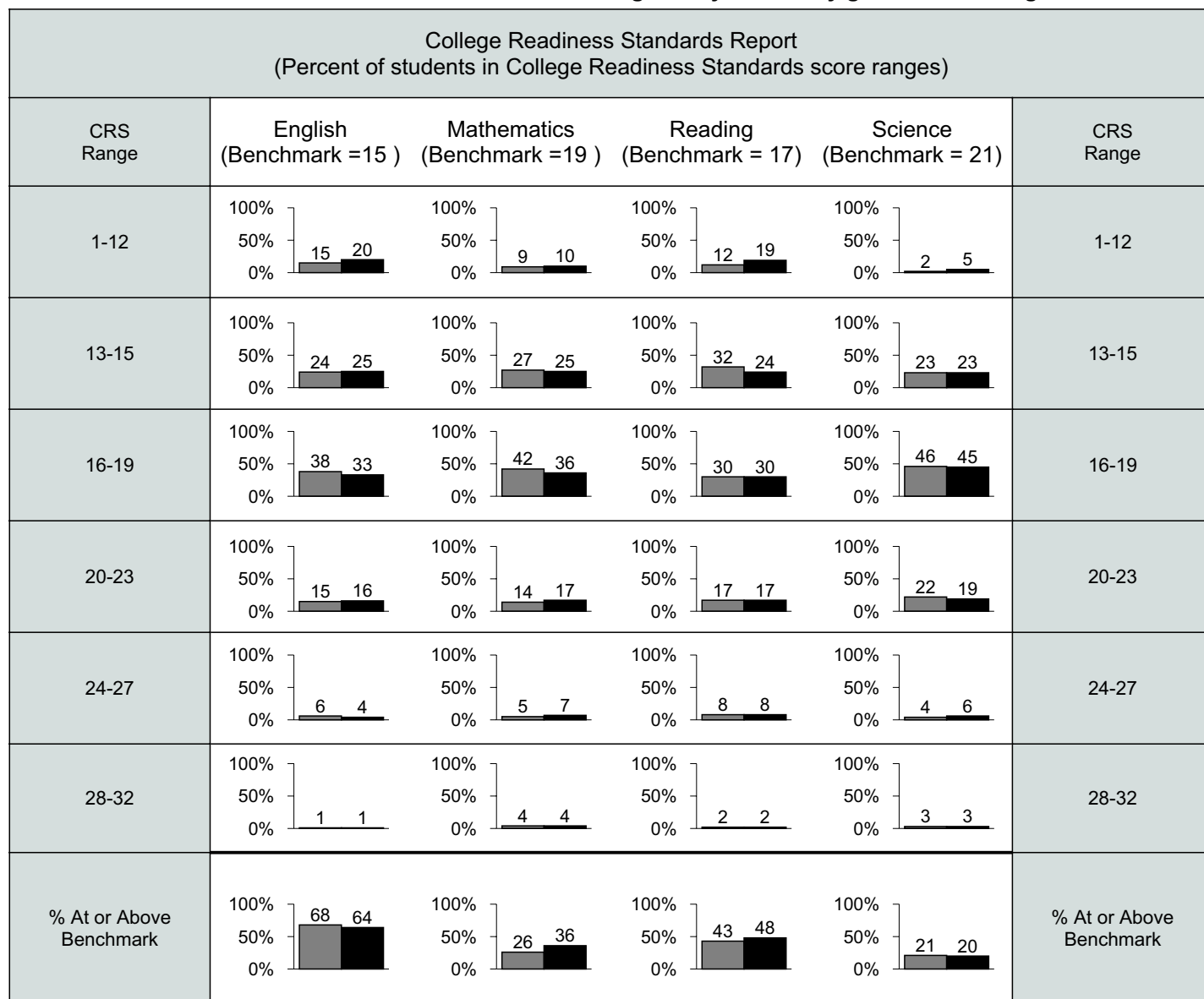
The national median for the PLAN composite score is 17.

TABLE 1b: How do the PLAN subscores of our students compare with those of students nationally?

PLAN subscore	Usage/Mechanics			Rhetorical Skills			Pre-Alg. / Algebra			Geometry			PLAN subscore
	Local		Nat'l	Local		Nat'l	Local		Nat'l	Local		Nat'l	
	Freq	CP*	CP*	Freq	CP*	CP*	Freq	CP*	CP*	Freq	CP*	CP*	
16	733	100	100	296	100	100	1814	100	100	1024	100	100	16
15	0	98	99	1696	99	99	1461	96	95	856	98	98	15
14	1810	98	98	1586	96	99	0	93	92	1266	96	95	14
13	1253	95	96	1994	93	96	2009	93	89	1663	94	91	13
12	1414	92	93	2390	89	92	2541	89	86	2306	90	86	12
11	3582	89	89	2867	84	86	2893	84	83	3250	85	80	11
10	2088	82	83	6426	78	78	0	78	78	4249	79	72	10
9	5018	78	74	7214	64	69	6802	78	71	11377	70	62	9
8	9215	67	62	3933	50	58	3567	64	61	6100	46	49	8
7	9514	48	47	7862	42	45	7029	57	49	9880	34	34	7
6	5381	29	32	3685	25	33	6328	42	35	3195	14	20	6
5	5471	18	19	3264	18	21	5853	29	22	1974	7	10	5
4	1207	6	10	2478	11	12	4801	17	12	0	3	4	4
3	1339	4	5	1702	6	7	1672	7	6	1006	3	2	3
2	301	1	2	820	2	3	1645	4	2	368	1	1	2
1	250	1	1	363	1	1	161	1	1	62	1	1	1
Mean	7.9		7.9	8.4		8.0	7.7		8.2	8.8		9.0	Mean
S.D.	2.8		2.8	3.1		3.0	3.4		3.5	2.6		3.0	S.D.
Local percentage of students in national quartiles													
National quartile	% of local		Score range	% of local		Score range	% of local		Score range	% of local		Score range	National quartile
75-100%	22		10-16	36		10-16	22		10-16	21		11-16	75-100%
50-74%	29		8-9	23		8-9	21		8-9	32		9-10	50-74%
25-49%	31		6-7	24		6-7	27		6-7	33		7-8	25-49%
1-24%	18		1-5	18		1-5	29		1-5	14		1-6	1-24%

*CP = Cumulative percent of students at or below a score point

TABLE 1c: Are our students *On Track* to be college ready when they graduate from high school?



= Local = National

Notes: *Connecting College Readiness Standards to the Classroom* interpretive guides to use with this report can be found at www.act.org/standard/guides/plan. The College Readiness Standards can be found starting on page 8 of each content guide.

Local report group percentages can be compared with national reference group percentages. All percentages have been rounded to the nearest whole number.

The score ranges given in this report are linked to the College Readiness Standards, which describe what students who score in various score ranges are likely to know and to be able to do, and reflect the progression and complexity of skills in each test of the PLAN program. College Readiness Benchmark Scores have been developed for PLAN to indicate a student's probable readiness for entry-level college coursework by the time the student graduates from high school. The data from this report, along with the College Readiness Standards and Benchmarks and information from other sources, can be used to inform local instructional priorities.

TABLE 2: Do our students' PLAN scores differ by ethnic and gender groups?

Group	Number of students	English	Usage /Mech	Rhet Skills	Math	Pre-Alg. /Algebra	Geometry	Reading	Science	Comp	% taken /taking*
Total Group	48576	16.6	7.9	8.4	17.1	7.7	8.8	16.8	18.1	17.3	57
Black/African American	5161	14.2	6.5	6.7	14.9	5.9	7.6	14.5	16.3	15.1	39
American Indian/Alaska Native	76	15.7	7.4	7.6	16.2	6.9	8.4	15.9	16.9	16.3	51
White	39516	17.0	8.2	8.7	17.4	7.9	9.0	17.2	18.3	17.6	59
Hispanic/Latino	1813	15.0	7.0	7.4	16.0	6.8	8.3	15.5	17.2	16.0	50
Asian	607	17.8	8.8	9.1	20.0	9.7	10.4	18.0	20.1	19.1	56
Native Hawaiian/Other Pacific Islander	35	15.9	7.6	7.9	16.8	7.6	8.4	16.3	17.7	16.8	54
Two or more races	851	16.3	7.7	8.2	16.5	7.3	8.5	16.5	17.7	16.8	54
Prefer not to respond	58	14.9	7.0	7.2	15.9	6.5	8.6	15.4	17.0	16.0	43
Males	24879	16.1	7.6	8.1	17.0	7.5	8.8	16.4	17.9	17.0	54
Black/African American	2658	13.8	6.3	6.4	14.6	5.7	7.5	14.1	16.2	14.8	37
American Indian/Alaska Native	39	15.2	7.1	7.4	16.3	6.6	8.8	15.4	16.7	16.0	44
White	20268	16.4	7.8	8.4	17.3	7.8	9.0	16.7	18.2	17.3	57
Hispanic/Latino	935	14.7	6.7	7.2	16.0	6.7	8.4	15.4	17.2	15.9	47
Asian	309	17.2	8.3	8.8	20.1	9.6	10.5	17.7	20.4	19.0	53
Native Hawaiian/Other Pacific Islander	19	15.6	7.4	7.6	17.3	7.8	8.9	15.9	18.2	16.9	53
Two or more races	415	16.0	7.5	8.0	16.5	7.3	8.5	16.3	17.6	16.7	49
Prefer not to respond	38	14.2	6.6	6.7	16.0	6.4	8.7	15.1	16.9	15.7	37
Females	23599	17.2	8.3	8.8	17.2	7.9	8.8	17.2	18.2	17.6	60
Black/African American	2500	14.6	6.8	7.0	15.1	6.1	7.6	14.9	16.5	15.4	41
American Indian/Alaska Native	36	16.3	7.8	7.9	16.2	7.2	8.1	16.6	17.2	16.7	61
White	19227	17.6	8.6	9.1	17.5	8.1	8.9	17.6	18.5	17.9	62
Hispanic/Latino	875	15.4	7.2	7.6	16.0	6.9	8.2	15.6	17.2	16.2	53
Asian	298	18.5	9.2	9.4	19.9	9.8	10.2	18.4	19.9	19.3	60
Native Hawaiian/Other Pacific Islander	16	16.4	7.8	8.3	16.3	7.3	7.9	16.9	17.0	16.7	56
Two or more races	433	16.6	7.9	8.3	16.5	7.3	8.4	16.7	17.7	17.0	59
Prefer not to respond	19	16.4	7.9	8.1	15.9	6.8	8.4	15.9	17.3	16.5	53

*Percent of students who have taken or are taking Eng 10, Alg 1 and one other mathematics course, any social studies course, and biology.

TABLE 3: How do our students' PLAN scores relate to the courses they have taken or are currently taking?

Course pattern taken/taking	Number of students	Mean test scores				
ENGLISH COURSE PATTERN		English	Composite			
English 9	5921	15.7	16.5			
English 9 and English 10	33822	17.1	17.7			
Other combination of 1 or more years of English	5206	15.9	16.6			
Insufficient English course pattern information	3627	15.0	15.9			
MATHEMATICS COURSE PATTERN		Math	Composite			
Algebra 1	7051	15.0	15.4			
Algebra 1 and Algebra 2	2342	16.4	16.7			
Algebra 1 and Geometry	20414	16.2	16.6			
Algebra 1, Geometry, and Algebra 2	9881	19.8	19.7			
Other combinations of 1 or more years of math	4988	19.5	19.2			
Insufficient mathematics course pattern information	3900	15.4	15.7			
SOCIAL STUDIES COURSE PATTERN		Reading	Composite			
US History	1054	14.6	15.1			
World History	1587	16.1	16.5			
World History and US History	3196	16.1	16.5			
Other combination of 1 or 1.5 years of social studies	6370	16.3	16.7			
Other combination of 2 or more years of social studies	31645	17.3	17.8			
Insufficient social studies course pattern information	4724	15.2	15.7			
NATURAL SCIENCE COURSE PATTERN		Science	Composite			
General Science	6150	16.9	15.9			
Biology	2190	17.5	16.6			
Chemistry	309	16.7	15.6			
General Science and Biology	20080	18.0	17.3			
General Science and Chemistry	2268	17.8	16.9			
Biology and Chemistry	3583	20.3	19.7			
Other combinations of 1 or more years of natural science	9493	19.0	18.3			
Insufficient natural science course pattern information	4503	16.7	15.6			
ON TRACK FOR COLLEGE CORE COURSEWORK		English	Math	Reading	Science	Composite
English 10, Algebra 1 and one other math course, any social studies course, and Biology	27517	17.5	17.9	17.6	18.8	18.1
Not taken/not taking these courses	21059	15.5	15.9	15.8	17.2	16.2

TABLE 4: How do our students' PLAN Composite scores and coursework plans relate to their educational plans?

Educational plans category	Number of students responding	Percent of all students	Percent planning college core coursework*	Mean Composite score	Percent in national Composite score quartiles			
					1-24%	25-49%	50-74%	75-100%
Do not plan to finish high school	214	0	33	13.7	56	33	9	2
No training planned after high school	746	2	43	14.3	42	42	13	3
Job training in the military services	2263	5	50	15.7	25	39	26	10
Apprentice / job training	774	2	50	15.0	32	42	20	7
Career / technical school	2581	5	52	15.5	23	46	23	8
2-year / junior college	2444	5	50	15.3	22	50	22	6
4-year college / university	13787	28	61	17.6	10	32	32	26
Graduate or professional study	17103	35	68	18.6	6	25	32	36
Undecided	4023	8	51	16.5	18	38	27	17
Other plans	1446	3	44	14.7	36	43	15	6
No response	2806	6	28	16.1	26	35	25	15

TABLE 5: How do our students' PLAN Composite scores and coursework plans relate to their expressed needs for help?

Students expressing a need for help								
Needs area	Number of students responding	Percent of all students	Percent planning college core coursework*	Mean Composite score	Percent in national Composite score quartiles			
					1-24%	25-49%	50-74%	75-100%
Exploring options after high school	18507	38	61	17.5	13	31	29	26
Improving writing skills	15045	31	61	17.1	16	33	29	22
Improving reading speed or comprehension	12128	25	61	16.5	18	37	28	17
Improving study skills	19992	41	62	17.2	13	34	30	22
Improving mathematical skills	17067	35	57	16.4	17	39	28	15
Improving computer skills	7950	16	60	17.2	16	32	28	24
Improving public speaking skills	18785	39	63	17.7	11	31	32	27

*College core coursework: 4 or more years of English and 3 or more years each of mathematics, social studies, and natural science (see Glossary).

TABLE 6a: How do our students' PLAN Composite scores, coursework plans, and postsecondary plans relate to their career preferences from the Career Areas List?

Career preference category from Career Areas List	Number of students			Percent planning college core coursework*	Percent by educational plans					Mean Composite score
	Male	Female	Total		No HS/ No training	Appren./ Job train/ Military	Career/ Tech/ 2 yr coll.	4 yr coll. or more	Other/ Undecided	
Administration & Sales	3461	1030	4501	52	4	17	9	55	15	16.2
Employment-Related Services	359	133	494	40	10	15	12	43	20	14.6
Marketing & Sales	682	279	966	50	4	4	9	70	13	16.4
Management	879	293	1172	54	3	6	9	67	15	16.6
Regulation & Protection	1541	325	1869	56	2	32	8	43	15	16.3
Business Operations	585	394	982	55	3	5	9	69	13	16.6
Communications & Records	151	189	342	52	4	7	13	61	15	15.8
Financial Transactions	289	161	451	61	1	2	7	81	8	18.1
Distribution & Dispatching	145	44	189	44	5	10	10	54	20	14.8
Technical	6716	1367	8103	53	5	13	27	36	19	16.1
Transport Operation & Related	490	63	556	54	6	21	17	36	21	15.8
Agriculture, Forestry & Related	924	596	1522	56	4	11	17	49	18	16.4
Computer & Information Specialties	1214	109	1324	54	3	6	18	56	18	17.7
Construction & Maintenance	1154	45	1203	50	6	18	28	28	20	15.5
Crafts & Related	314	381	700	53	4	5	21	45	24	16.2
Manufacturing & Processing	738	64	804	55	7	16	43	18	17	15.2
Mechanical & Electrical Specialties	1882	109	1994	51	5	15	39	23	18	15.4
Science & Technology	6354	7936	14306	66	1	3	5	84	7	18.6
Engineering & Technologies	3091	348	3439	62	1	8	10	69	11	18.7
Natural Science & Technologies	705	702	1407	64	1	2	4	84	10	19.1
Medical Technologies	790	1622	2415	67	1	2	5	88	5	18.0
Medical Diagnosis & Treatment	1493	4643	6145	69	0	1	3	91	5	18.5
Social Science	275	621	900	67	1	2	2	87	9	19.4
Arts	2056	3304	5371	60	2	4	9	65	21	17.9
Applied Arts (Visual)	667	1392	2061	60	2	5	12	60	21	17.4
Creative & Performing Arts	1231	1674	2913	58	2	3	7	66	22	18.0
Applied Arts (Written & Spoken)	158	238	397	70	1	3	3	83	12	19.5
Social Service	2224	6766	9006	62	1	3	8	79	9	17.3
Health Care	742	3020	3770	64	0	2	7	84	6	17.2
Education	650	1650	2304	64	1	2	5	85	8	17.8
Community Services	588	1364	1953	64	1	4	5	83	8	17.8
Personal Services	244	732	979	49	5	7	28	32	28	15.4
No response	1922	1435	3374	30	1	3	2	9	85	15.8
Invalid response given	1561	1367	2933	55	2	6	12	62	17	16.3

*College core coursework: 4 or more years of English and 3 or more years each of mathematics, social studies, and natural science (see Glossary).

TABLE 6b: How do our students' PLAN Composite scores, coursework plans, and postsecondary plans relate to their career clusters from the World-of-Work Map?

	Number of students			Percent by educational plans						
Career Cluster category from Interest Inventory	Male	Female	Total	Percent planning college core coursework*	No HS/ No training	Appren./ Job train/ Military	Career/ Tech/ 2 yr coll.	4 yr coll. or more	Other/ Undecided	Mean Composite score
First World-of-Work Career Cluster from Interest Inventory										
(02-03) Administration/Sales	2442	3476	5926	64	1	4	6	81	9	17.9
(04-05) Business Operations	4658	2610	7280	56	3	8	16	56	17	16.5
(06-07) Technical	8165	3619	11808	55	3	10	16	50	21	16.6
(08-09) Science & Technology	3461	4379	7852	64	1	4	7	72	15	18.4
(10-11) Arts	1414	3158	4582	63	1	3	6	74	16	18.2
(12-01) Social Service	1737	3564	5309	63	1	4	7	77	12	17.7
Second World-of-Work Career Cluster from Interest Inventory										
(02-03) Administration/Sales	1441	2059	3505	63	1	5	8	75	12	17.5
(04-05) Business Operations	4364	2704	7085	56	3	9	15	57	16	16.6
(06-07) Technical	4797	2320	7128	57	3	9	16	53	19	16.7
(08-09) Science & Technology	4277	3550	7834	61	2	6	9	68	16	18.0
(10-11) Arts	2472	4182	6662	62	1	4	7	70	17	18.1
(12-01) Social Service	1461	3102	4572	63	1	4	6	78	12	17.8
No Region	3002	2793	5819	43	2	6	8	51	33	16.3

*College core coursework: 4 or more years of English and 3 or more years each of mathematics, social studies, and natural science (see Glossary).

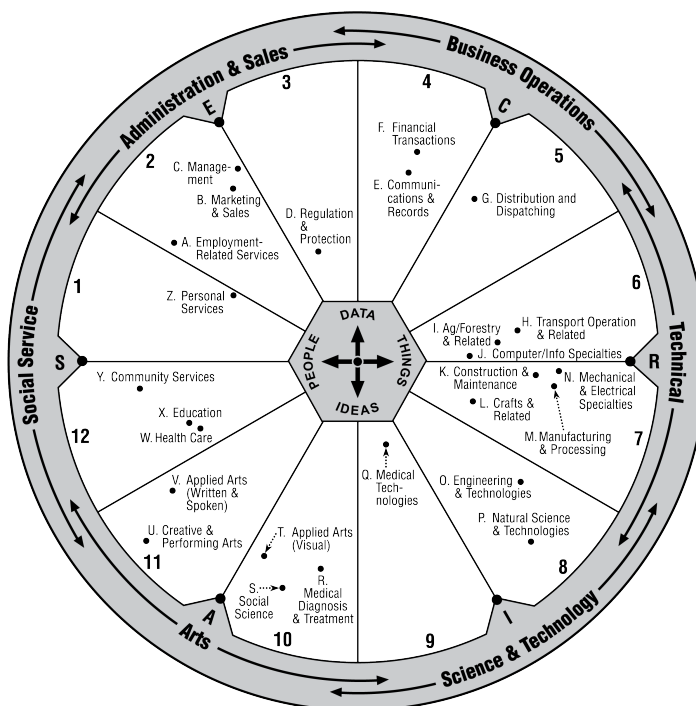


TABLE 7: How did our students respond to the local items?

Student Response												
	A		B		C		D		E		Blank	
Local Item	N	%	N	%	N	%	N	%	N	%	N	%
1	40	0	79	0	15	0	23	0	4	0	48415	100
2	61	0	40	0	15	0	20	0	1	0	48439	100
3	35	0	58	0	16	0	20	0	1	0	48446	100
4	55	0	41	0	16	0	11	0	3	0	48450	100
5	57	0	27	0	16	0	15	0	7	0	48453	100
6	31	0	13	0	59	0	12	0	6	0	48452	100
7	13	0	9	0	9	0	43	0	46	0	48455	100
8	7	0	14	0	12	0	35	0	48	0	48460	100
9	32	0	49	0	24	0	6	0	2	0	48462	100
10	46	0	37	0	14	0	12	0	9	0	48458	100
11	44	0	28	0	34	0	6	0	1	0	48463	100
12	76	0	26	0	2	0	8	0	4	0	48458	100

Note: For report groups larger than an individual school, care must be taken when interpreting these local item results. Uniform use of the local items across schools must apply for meaningful table results.

Glossary

College Core Coursework

Core coursework is defined as four or more years of English, three or more years of mathematics, three or more years of social studies, and three or more years of natural science. The following course lengths are assumed, unless otherwise specified by your students.

- English: Plan to take four years or more, with one year credit each for English 9, English 10, English 11, and English 12; one-half year credit for Speech.
- Mathematics: Plan to take three years or more, with one year credit each for Algebra 1, Algebra 2, Geometry; one-half year credit each for Trigonometry, Calculus (not pre-calculus), Computer Math, and Other Math courses.
- Social Studies: Plan to take three years or more, with one year credit each for U.S. History, World History, and American Government; one-half year credit each for Economics, Geography, Psychology, and Other History.
- Natural Science: Plan to take three years or more, with one year credit each for General/Physical/Earth Science, Biology, Chemistry, and Physics.

CP (Cumulative percent at or below)

The percentage of local or national students scoring at or below each scale score.